



A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is only one strategy. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Electives, and university requirements (see pg.2) are based on Catalog Year.

Course Subject and Title	Cr.	Min. Grade	*GE, UU or UM	**Sem. Offered	Prerequisite	Co-Requisite
Semester One						
ESET 1100: Engineering Technology Orientation	1	C-		F, S, D		
ESET 1100L: Introduction to an Industrial Environment Lab	1	C-		F, S, D	Minimum score of ALEKS 30 or equivalent	
ESET 1121: Basic Electricity and Electronics	4	C-		F, S		ESET 1121L
ESET 1121L: Basic Electricity and Electronics Lab	3	C-		F, S		ESET 1121
ESET 1140: Applied Technical Intermediate Algebra	5	C-		F, S, D		
ESET 1152: Nuclear Careers and Information	1	C-		F, S		
ESET 1153: Radiological Control Fundamentals	3	C-		F, D		
Total	18					
Semester Two						
GE Objective 2: Fundamentals of Oral Comm	3	D-	GE	F, S		
GE Objective 3: MATH 1143 Precalculus I: Algebra OR MATH 1144 Precalculus II: Trigonometry OR MATH 1147 Precalculus OR MATH 1153 Statistical Reasoning OR MATH 1170 Calculus I OR MGT 2216 Business Statistics	2-5	D-	GE		Appropriate placement score	
GE Objective 5: CHEM 1101 Introduction to Chemistry OR PHYS 1101/L Elements of Physics and Lab	3-4	D-	GE	F, S	Appropriate placement score	
ESET 1122: Electrical Systems and Motor Control Theory	3	C-		F, S, D	ESET 1121/L or instructor approval	ESET 1122L
ESET 1122L: Electrical Systems and Motor Control Theory Lab	1	C-		F, S, D	ESET 1121/L or instructor approval	ESET 1122
ESEL 1130: Initial Operator Training and Student Operations OR ESET 1151/L: Nuclear Industry Fundamental Concepts and Lab	4	C-		S, D	MATH 1143 or equivalent	
Total	16-20					
*GE=General Education Objective, UU=Upper Division University, UM= Upper Division Major **See Course Schedule section of Course Policies page in the e-catalog (or input F, S, Su, etc.)						

2025-2026 Major Requirements		CR	GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9	4 cr. min
MAJOR REQUIREMENTS		26	1. Written English	
ESET 1100: Engineering Technology Orientation		1		
ESET 1100L: Introduction to an Industrial Environment Lab		1	2. Spoken English	COMM 1101 3
ESET 1121: Basic Electricity and Electronics		4	3. Mathematics	MATH 1143 or 1144 or 1147 or 1153 or 1170 or MGT 2216 2-5
ESET 1121L Basic Electricity and Electronics Lab		3	4. Humanities, Fine Arts, Foreign Lang.	
ESET 1122: Electrical Systems and Motor Control Theory		3		
ESET 1122L: Electrical Systems and Motor Control Theory Lab		1		
ESET 1140: Applied Technical Intermediate Algebra		5	5. Natural Sciences	
ESET 1152: Nuclear Careers and Information		1	CHEM 1101 OR PHYS 1101/L	3-4
ESET 1153: Radiological Control Fundamentals		3		
ESET 1130: Initial Operator Training and Student Operations (For AAS with Licensed Operator Concentration) OR ESET 1151: Nuclear Industry Fundamental Concepts AND ESET 1151L: Nuclear Industry Fundamental Concepts Lab (For AAS with Nuclear Facility Technician Concentration)		4	6. Behavioral and Social Science	
			One Course from EITHER Objective 7 OR 8	
COMM 1101: Fundamentals of Oral Communication (counted in GE Obj. 2)			7. Critical Thinking	
			8. Information Literacy	
			9. Cultural Diversity	
MATH 1143: Precalculus I: Algebra OR MATH 1144: Precalculus II: Trigonometry OR MATH 1147: Precalculus OR MATH 1153: Statistical Reasoning OR MATH 1170: Calculus I OR MGT 2216: Business Statistics (counted in GE Obj. 3)			General Education Elective to reach 36 cr. min.	
			Total GE	8-12
			Undergraduate Catalog and GE Objectives by Catalog Year http://coursecat.isu.edu/undergraduate/programs/	
CHEM 1101: Introduction to Chemistry OR PHYS 1101: Elements of Physics AND PHYS 1101L: Elements of Physics Lab (counted in GE Obj. 5)				
			MAP Credit Summary	CR
			Major	26
			General Education	8-12
			Upper Division Free Electives to reach 36 credits	0
			Free Electives to reach 120 credits	0
			TOTAL	34-38
			Graduation Requirement Minimum Credit Checklist	Confirmed
			Minimum 36 cr. General Education Objectives (15 cr. AAS)	
			Minimum 15 cr. Upper Division in Major (0 cr. Associate)	
			Minimum 36 cr. Upper Division Overall (0 cr. Associate)	
			Minimum of 120 cr. Total (60 cr. Associate)	
Advising Notes			MAP Completion Status (for internal use only)	
			Date	
			CAA or COT:	GR 07/01/2025
			Complete College American Momentum Year	
			Math and English course in first year-Specific GE MATH course identified	
			9 credits in the Major area in first year	
			15 credits each semester (or 30 in academic year)	
			Milestone courses	